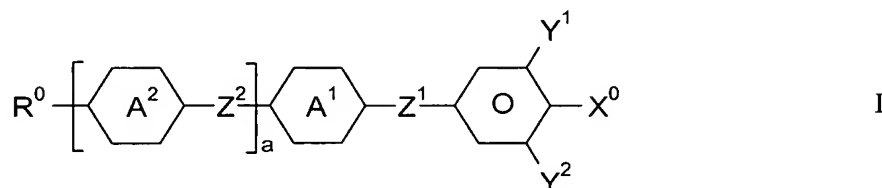


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

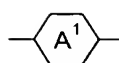
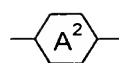
1. (Currently amended) ~~Liquid-crystalline~~ A liquid-crystalline medium having a helically twisted structure comprising a nematic component and an optically active component, characterised in that wherein the optically active component comprises one or more chiral compounds whose helical twisting power and concentration are selected in such a way that the helical pitch of the medium is $\leq 1 \mu\text{m}$, and the nematic component comprises at least 75% by weight of one or more compounds containing a 3,4,5-trifluorophenyl group.

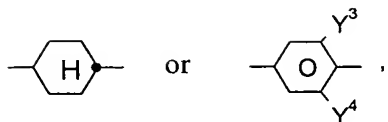
2. (Currently amended) ~~Liquid-crystalline~~ A liquid-crystalline medium of claim 1 having a helically twisted structure comprising a nematic component and an optically active component, characterised in that the optically active component comprises one or more chiral compounds whose helical twisting power and concentration are selected in such a way that the helical pitch of the medium is $\leq 1 \mu\text{m}$, and wherein the nematic component comprises one or more compounds of the formula I



in which

R^0 denotes H or an alkyl or alkenyl radical having 1 to 20 C atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, where, in addition, one or more CH_2 groups in these radicals may each, independently of one another, be replaced by -O-, -S-, -CO-, -CO-O-, -O-CO-, -O-CO-O-, -CH=CH- or -C \equiv C- in such a way that O atoms are not linked directly to one another,

 and  each, independently of one another, denote



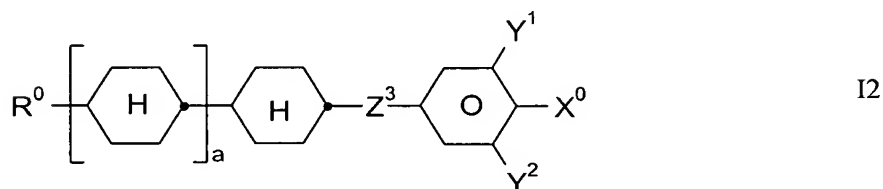
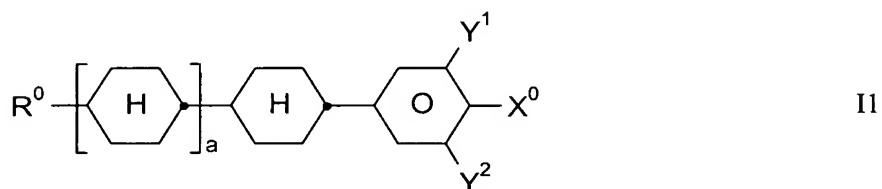
Y^1 to Y^4 each, independently of one another, denote H or F,

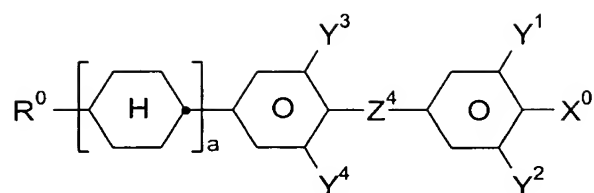
Z^1 and Z^2 each, independently of one another, denote -O-, -S-, -CO-, -COO-, -OCO-, -S-CO-, -CO-S-, -OCH₂-, -CH₂O-, -SCH₂-, -CH₂S-, -CF₂O-, -OCF₂-, -CF₂S-, -SCF₂-, -CH₂CH₂-, -CF₂CH₂-, -CH₂CF₂-, -CF₂CF₂-, -CH=CH-, -CF=CH-, -CH=CF-, -CF=CF-, -C≡C- or a single bond,

X^0 denotes F, Cl, halogenated alkyl, alkenyl or alkoxy having 1 to 6 C atoms, and

a denotes 0 or 1.

3. (Currently amended) ~~Medium~~ A medium according to Claim 2, ~~characterised in that it comprises~~ comprising one or more compounds selected from the following formulae





I3

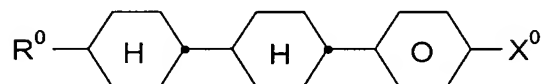
in which R^0 , X^0 , Y^1 , Y^2 , Y^3 , Y^4 and a have the meaning indicated in Claim 2,

R^0 — preferably denotes ~~n-alkyl, alkoxy, fluoroalkyl, alkenyl or oxaalkenyl,~~
each having up to 9 C atoms,

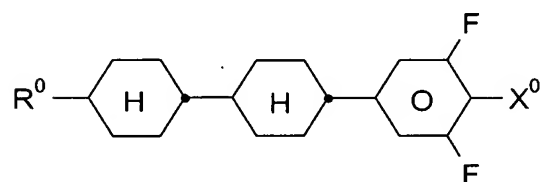
Z^3 in each case, independently of one another, denotes COO, C_2H_4 , CF_2O or C_2F_4 , and

Z^4 in each case, independently of one another, denotes COO, CF_2O , C_2F_4 or a single bond.

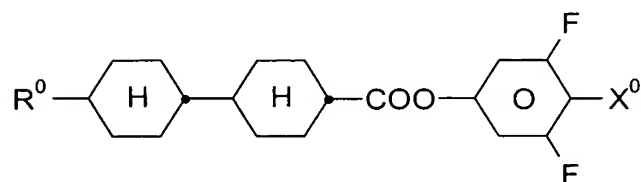
4. (Currently amended) ~~Medium~~ A medium according to Claim 2, ~~characterised in that it comprises~~ comprising one or more compounds selected from the following formula



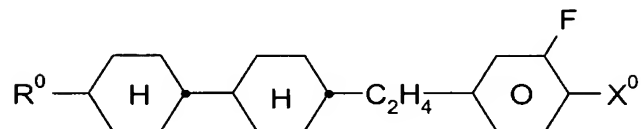
I1a



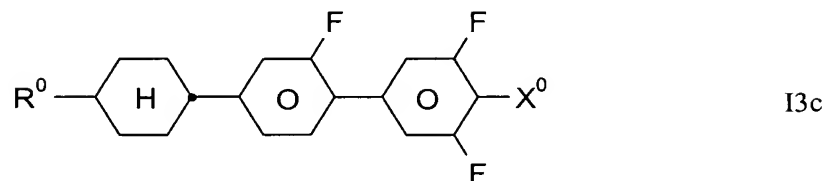
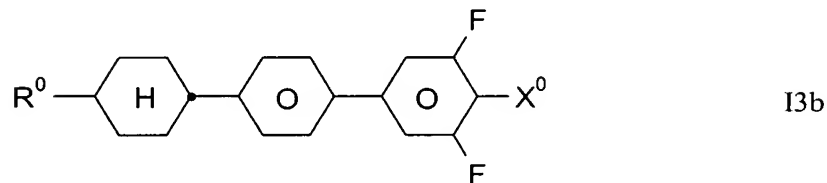
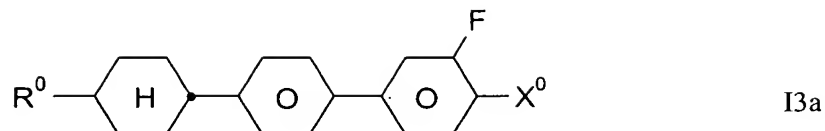
I1b



I2a

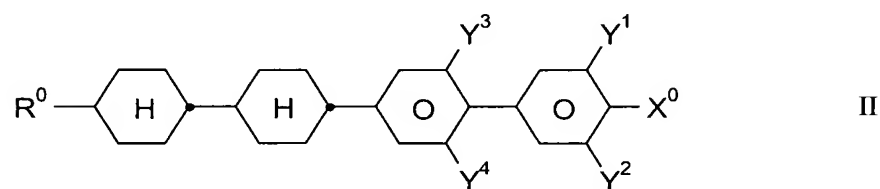


I2k



in which R^0 and X^0 have the meaning indicated in Claim 2, and X^0 in the formula I1a preferably denotes OCF_3 , and in the formulae I1b, I2a, I2k, I3a, I3b and I3c preferably denotes F.

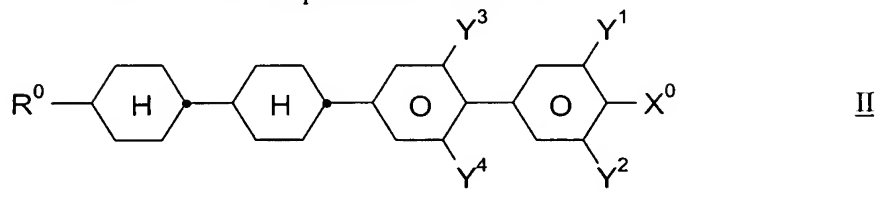
5. (Currently amended) ~~Medium~~ A medium according to Claim 2, characterised ~~in that it comprises~~ further comprising one or more compounds of the following formula



in which R^0 , X^0 , Y^1 , Y^2 , Y^3 and Y^4 have the meaning indicated in Claim 2.

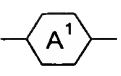
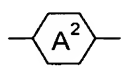
6. (Cancelled)
7. (Currently amended) ~~Medium~~ A medium according to Claim 2 3, characterised ~~in that wherein~~ the nematic component comprises

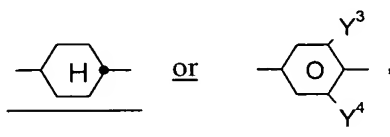
- 5 to 50% of compounds of the formula I1,
 - 5 to 45% of compounds of the formula I2,
 - 10 to 65% of compounds of the formula I3,
- and
- 3 to 40% of compounds of the formula II



in which

R⁰ denotes H or an alkyl or alkenyl radical having 1 to 20 C atoms which is unsubstituted, monosubstituted by CN or CF₃ or at least monosubstituted by halogen, where, in addition, one or more CH₂ groups in these radicals may each, independently of one another, be replaced by -O-, -S-, -CO-, -CO-O-, -O-CO-, -O-CO-O-, -CH=CH- or -C≡C- in such a way that O atoms are not linked directly to one another,

 and  each, independently of one another, denote



Y¹ to Y⁴ each, independently of one another, denote H or F,

X⁰ denotes F, Cl, halogenated alkyl, alkenyl or alkoxy having 1 to 6 C atoms.

8. (Currently amended) ~~Medium~~ A medium according to Claim 1, ~~characterised in that it has~~ wherein the medium has a reflection wavelength in the range from 400 to 800 nm.
9. (Currently amended) ~~Medium~~ A medium according to Claim 1, ~~characterised in that it comprises~~ further comprising one or more dyes.
10. (Currently Amended) ~~Use of a medium according to Claim 1 for~~ An electro-optical, laser-optical or nonlinear-optical purposes device comprising a medium according to claim 1.
11. (Currently Amended) ~~Electro-optical~~ An electro-optical liquid-crystal display containing a medium according to Claim 1.
12. (Currently Amended) ~~Electro-optical~~ An electro-optical liquid-crystal display according to Claim 11, ~~characterised in that it~~ that is a cholesteric, SSCT, PSCT or flexoelectric display.
13. (Currently Amended) ~~Electro-optical~~ An electro-optical liquid-crystal display according to Claim 11, ~~characterised in that it~~ that is an active-matrix display.
14. (Currently Amended) ~~Active~~ An active laser material or resonator for laser applications, containing a ~~CLC~~ medium according to Claim 1, wherein said medium is a cholesteric liquid crystal medium.
15. (Currently Amended) ~~Laser~~ A laser arrangement or an active laser material or a resonator therefore containing a medium according to Claim 1 ~~or an active laser material or a resonator therefor.~~
16. (New) A medium according to claim 4, wherein X^0 in the formula I1a denotes OCF_3 and X^0 in the formulae I1b, I2a, I2k, I3a, I3b and I3c denotes F.
17. (New) A medium according to claim 4 2, comprising at least one compound of formula I in which X^0 , Y^1 and Y^2 denote F, and at least one compound of the formula I in which X^0 denotes Cl, CF_3 , OCF_3 or $OCHF_2$.

18. (New) A medium according to claim + 2, wherein Z^1 and Z^2 denote -COO-, -OCO-, -OCH₂-, -CH₂O-, -CF₂O-, -OCF₂-, -CH₂CH₂-, -CF₂CH₂-, -CH₂CF₂-, -CF₂CF₂- or a single bond.
19. (New) A medium according to Claim 2, wherein the nematic component comprises one or more compounds of formula I, wherein Y^1 , Y^2 and X^0 are fluoro, as compounds containing a 3,4,5 -trifluorophenyl group.
20. (New) A medium according to claim 3, wherein R^0 is n-alkyl, alkoxy, fluoroalkyl, alkenyl or oxaalkenyl, each having up to 9 C atoms.